

PATENT ABSTRACTS OF JAPAN

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(54) METHOD OF GENERATING ELECTRICITY BY FALLING SMALL PARTICLES OF STEEL OR LEAD INSTEAD OF WATER

(57)Abstract:

PURPOSE: To generate electricity in an economical manner from general view point by the use of a relatively small scaled power plant, by driving a generator by the use of small particles of steel or lead instead of water.

CONSTITUTION: When a gate 3 disposed at the bottom of steel or lead particle reserving tank 1 that corresponds to a reservoir in a hydroelectric power plant is opened, small particles 2 of steel or lead in the tank 1 fall through a pipe 4 or the like at a high speed and are ejected from a nozzle 5 onto buckets 7 of a runner 6 at an increased speed. Resultantly, the runner 6 is caused to turn at a high speed together with driving wheels 8, 9, so that a turbine 10 connected to the driving wheels 8, 9 is caused to turn and a generator 11 connected to the turbine 10 is driven in turn. Electricity thus generated is sent to a transformer 12, and after adjustment of voltage at the transformer 12, is transmitted from a power board 13. On the other hand, small particles 2 of steel or lead are collected into a conduit 14 after use for driving the runner 6, and then carried back to the tank 1 by means of a lift 16.

